CLAIMS

What is claimed is:

- 1. An LCD driver IC chip comprising:
- a pad member connected to an internal semiconductor device circuit and having an electrical connection region to the exterior;
- at least one insulating film formed at a peripheral portion of the pad member and around the electrical connection region;
- a metal layer covering the pad member and the insulating film; and
- a bump electrode provided on the metal layer, wherein the bump electrode and the pad member lie above at least a part of the semiconductor device circuit with an insulating interlayer provided therebetween.
 - 2. An integrated circuit chip comprising:
 - a device circuit;
 - a transistor in said device circuit;
- a pad positioned above said transister and connected to said device circuit;
- an insulating interlayer between said pad and said transistor;
 - a bump electrode on said pad.

- 3. The chip of claim 2 wherein the device circuit further comprises are of an input circuit and an output circuit.
- 4. The chip of claim 2 wherein the pad further comprises one of an input pad and an output pad.
- 5. The chip of claim 2 wherein the bump is positioned above said transistor.
- 6. The chip of claim 2 further comprising a via interconnecting said pad and said device circuit.
- 7. The chip of claim 6 further comprising a lead layer of said insulating interlayer interconnnecting said via and said pad.
- 8. The chip of claim 2 further comprising a passivation film formed at a peripheral portion of the pad.
- 9. The chip of claim 8 further comprising a metal layer covering said passivation film and said pad.



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10. The chip of claim 9 wherein said metal layer is interposed between said pad and said bump.